

# RSM RKM 126-120M/S3059

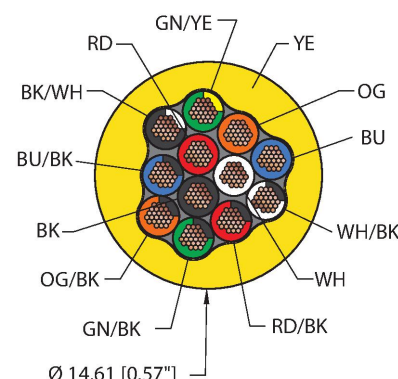
## Actuator and Sensor Cable – Extension Cable



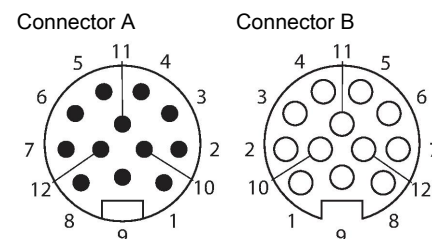
### Features

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- 1-1/8" Male, Straight, 12-pin
- 1-1/8" Female, Straight, 12-pin
- Power Tray/Exposed Run/Direct Burial Cable
- Yellow TPE jacket, 12X16 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL 1061, CSA FT1, CSA FT4

### Cable cross section



### Contact assignment



### Technische Daten

|                                 |                                |
|---------------------------------|--------------------------------|
| Type                            | RSM RKM 126-120M/S3059         |
| ID                              | U-85851                        |
| Connector A                     | Male, 1 1/8"-16 UN, Straight   |
| Number of contacts              | 12                             |
| Contacts                        | Brass, CuZn, Gold-plated       |
| Contact carriers                | Plastic, TPU, Yellow           |
| Connector body                  | Plastic, TPU, Yellow           |
| Coupling nut                    | Brass, CuZn, Nickel-plated     |
| Tightening torque               | 3 Nm                           |
| Mechanical life                 | > 100 Mating cycles            |
| Pollution degree                | 3                              |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K        |
|                                 | NEMA: 1, 3, 4, 6P, 12          |
| Connector B                     | Female, 1 1/8"-16 UN, Straight |
| Number of contacts              | 12                             |
| Contacts                        | Brass, CuZn, Gold-plated       |
| Contact carriers                | Plastic, TPU, Yellow           |
| Connector body                  | Plastic, TPU, Yellow           |
| Coupling nut                    | Brass, CuZn, Nickel-plated     |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K        |
|                                 | NEMA: 1, 3, 4, 6P, 12          |
| Cable data                      |                                |
| Cable ID                        | RF51714                        |
| Total number of conductors      | 12                             |

Technische Daten

|                                                                                                                                                                                      |                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Cable diameter                                                                                                                                                                       | Ø 14.61 mm                                                          |
| Length (L)                                                                                                                                                                           | 120 m, (+50mm or 4% of length/-0.0, Whichever is greater)           |
| Cable jacket                                                                                                                                                                         | TPE, Yellow                                                         |
| Conductor diameter                                                                                                                                                                   | 0.105 "                                                             |
| Conductor material                                                                                                                                                                   | BC (bare copper)                                                    |
| Conductor insulation material                                                                                                                                                        | PVC/Nylon (Nylon overcoat)                                          |
| Conductor size                                                                                                                                                                       | 12 x 16 AWG [Similar to 1.50 mm²]                                   |
| Number of strands x O.D.                                                                                                                                                             | 65 x 34 AWG                                                         |
| Conductor colors                                                                                                                                                                     | OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, GN/YE, RD, WH, BK |
| Electrical properties at +20 °C                                                                                                                                                      |                                                                     |
| Rated voltage                                                                                                                                                                        | 600 V                                                               |
| Current                                                                                                                                                                              | 7 A                                                                 |
| Mechanical and chemical properties                                                                                                                                                   |                                                                     |
| Bending radius (static)                                                                                                                                                              | ≥ 5 x Ø                                                             |
| Bending radius (dynamic)                                                                                                                                                             | ≥ 10 x Ø                                                            |
| UL cold bend rating                                                                                                                                                                  | -40 °C                                                              |
| Ambient temperature range (static)                                                                                                                                                   | -40...+90 °C                                                        |
| Ambient temperature range (dynamic)                                                                                                                                                  | 5...+90 °C                                                          |
| Temperature range (installation)                                                                                                                                                     | -10...+90 °C                                                        |
| Approval                                                                                                                                                                             |                                                                     |
| Approvals                                                                                                                                                                            | UL 2238<br>CE<br>RoHS                                               |
| Note                                                                                                                                                                                 |                                                                     |
| - Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius. |                                                                     |
| - We reserve the right to make technical alterations without prior notice.                                                                                                           |                                                                     |

Circuit Diagram

